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Based on PTO/SB/05
OMB 0651-0032
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UTILITY
PATENT APPLICATION
TRANSMITTAL

01-561 Attorney Docket No. AO First Inventor or Application Identifier MAGNETIC SENSOR AND METHOD FOR FABRICATING THE SAME

(Only for new nonprovisional applications under 37 C.F.R.§ 1.53(b)) Express Mail Label No.

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application Alexandria, VA 22313-1450		
* Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) * Specification [Total Pages 24] -Descriptive title of the Invention -Cross Reference to Related Applications -Background of the Invention	5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies		
	ACCOMPANYING APPLICATION PARTS		
-Summary of the Invention -Brief Description of the Drawings -Detailed Description of the Preferred Embodiment -Claims -Abstract of the Disclosure 3. X Drawing(s) (35 U.S.C. 113) [Total Sheets 6] 4. Oath or Declaration [Total Sheets 3] 5. X Newly executed (original or copy) 6. Declaration of Inventor(s) named in the prior application, see 37 C.F.R. § 1.63 (d)(2) and 1.33(b). 7. X Assignment Papers (cover sheet & document(s)) Assignee: DENSO CORPORATION 8. Statement (when there is an assignee) 9. English Translation Document (if applicable) 10. X Information Disclosure Statement (IDS)/PTO-1449 X Copies of IDS Citations 11. Preliminary Amendment 12. X Return Receipt Postcard (MPEP 503) (should be specifically itemized) **Small Entity Statement(s) Statement filed in prior application, see 37 C.F.R. § 1.63 (d)(2) and 1.33(b). **Mote For Items 1 8 13: IN ORDER TO BE ENTITIED TO PAY SMALL ENTITY FEES. A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)			
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner Group/Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
17. CORRESPOND			
☐ Customer Number or Bar Code Label 23400 or ☐ Correspondence address below (Insert Customer No. or Attach bar code label here)			
Name			
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relegione	(703) 707-9110 Fax (703) 707-9112		
Name (Print/type) DAVID G. POSZ Registration No. (Attorney/Agent) 37,701			
Signature	Date March 2, 2004		

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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5	for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)	896
(4)	000

Complete if Known				
Application Number				
Filing Date	March 2, 2004			
First Named Inventor	AO			
Examiner Name				
Art Unit				
Attorney Docket No.	01-561			

Deposit Account	METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Sol-1147		Large	Entity	Small	Entity		
SO-1147 POSZ & BETHARDS, PLC 1051 130 2051 65 Surcharge – late filing fee or oath			Fee (\$)		Fee (\$)	Fee Description	Fee Paid
Charge feels Indicated tests Check at that apply 1053 130	Account 50_11/7			1			
Charge fee(s) indicated below Charge fee(s) indicated below Charge fee(s) indicated below except for the application 1804 920* 1804 920* 1804 920* 1804 920* 1805 180	Account POSZ & BETHARDS, PLC	1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet	
Charge fee(s) indicated below Charge fee(s) indicated below Charge fee(s) indicated below except for the application 1804 920* 1804 920* 1804 920* 1804 920* 1805 180	The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	
X Charge any additional feets oldring the pendency of this application 1804 920* 1805 1,840* 180		1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1005 1007 1207		1804	920*	1804	920*	Requesting publication of SIR prior to	
1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second month 1254 1,486 2554 1,486 2554 1,486 2555 100 2555 2,010 2255 2,010 2255 2,01	-	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
Large Entity Small Entity Fee	FEE CALCULATION	1251	110	2251	5 5	Extension for reply within first month	
Pee Fee Fee Fee Fee Fee Fee Pee Fee Pee Fee Pee Fee	1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Code (\$) Code Code (\$) Code Code		1253	950	2253	475	Extension for reply within third month	
1001 770 2001 385 Utility filing fee 770 1255 2,010 2255 1005 Extension for repty within fifth month 1002 340 2002 170 Design filing fee 1401 330 2401 185 Notice of Appeal 1401 330 2402 185 Filing a brief in support of an appeal 1403 280 2403 145 Request for oral hearing 1402 1452 150 1453 1,350 2453 665 Petition to revive – unavoidable 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1453 1,330 1453 1,330 1453 1,330 1453 1,330 1453 1,330 1453 1,330 1453 1,330		1254	1,480	2254	740	Extension for reply within fourth month	
1003 530 2003 265 Plant filing fee 1403 290 2403 145 Request for oral hearing 1403 290 2403 145 Request for oral hearing 1451 1,510		1255	2,010	2255	1005	Extension for reply within fifth month	
1004 770 2004 385 Reissue filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive – unintentional 1453 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition to revive – unintentional 1501 1,330 2453 665 Petition	1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive – unavoidable 1453 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – uninvierie – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,330 2453 665 Petition to revive – unintentional 1450 1,430 2450 240 2450 240 2450 240 2450 240 2450 240 2450	1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
SUBTOTAL (1) (\$) 770 1453 1,330 2453 665 Petition to revive — unavoidable 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1453 1,330 2453 665 Petition to revive — unintentional 1504 1,330 2453 665 Petition to revive — unintentional 1504 1,330 2453 665 Petition to revive — unintentional 1504 1,330 2453 665 Petition to revive — unintentional 1504 1,330 2453 665 Petition to revive — unintentional 1504 1,330 2453 665 Petition to revive — unintention to the extraction 1,330 2453 665 2460 Petition to revive — unintention 1,330 2453 665 2460 Petition to revive — unintention 1,330 2453 665 2460 Petition to revive — unintention 1,330 2453 665 2460 Petition to revive — unintention 1,330 2453 2460 Petition to revive — unintention 1,330 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 2460 24	1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
SUBTOTAL (1) (\$) 770 1453 1,330 2453 665 Petition to revive – unintentional	1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Claims Fee from Fee Paid 1502 480 2502 240 Design issue fee 1503 320 Plant issue fee 1203 1203 1203 1203		1452	110	2452	55	Petition to revive – unavoidable	
Extra Claims	SUBTOTAL (1) (\$) 770	1453	1,330	2453	665	Petition to revive – unintentional	
Total Claims	2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	
Total Claims Independent Indep		1502	480	2502	240	Design issue fee	
Claims 4 - 3" 1	Total Claims 14 -20**= 0 x 18 = 0	1503	640	2503	320	Plant issue fee	
Large Entity Small Entity 1807 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1807 50 1808 1	Independent Claims 4 - 3**= 1 × 86 = 86	1460	130	1460	130	Petitions to the Commissioner	1
Fee Code (\$) Fee Code (\$) Fee Code (\$) Fee Description 1202 18 2202 9 Claims in excess of 20 1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a)) 1201 86 2201 43 Independent claims in excess of 3 1810 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b)) 1203 290 2203 145 Multiple dependent claims, if not paid **Reissue independent claims over original patent over original patent 1204 86 2204 43 **Reissue claims in excess of 20 1809 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b)) 1802 900 1802 900 Request for Continued Examination (RCE) Request for expedited examination of a design application **Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 86 **Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40	Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims, if not paid 1204 86 2204 43 **Reissue independent claims over original patent sum over original patent 1205 18 2205 9 **Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 86 **Code (\$) 1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application **Continued Examination of a design application Other fee (specify) **Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40		1806	180	1806	180	Submission of Information Disclosure Stmt	
1202 18 2202 9 Claims in excess of 20 1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a)) 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims in otor paid 1204 86 2204 43 "Reissue independent claims over original patent over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 86 "**or number previously paid, if greater; For Reissues, see above 1802		8021	40	8021	40		40
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1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1205 18 SUBTOTAL (2) (\$) 86 Other fee (specify) "** or number previously paid, if greater; For Reissues, see above 1801 770 2801 385 Request for continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1801 770 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for Continued Examination (RCE) 1802 900 Other fee (specify) Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40	1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional invention to be	
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** or number previously paid, if greater, For Reissues, see above Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40	SUBTOTAL (2) (\$) 86	Other	fee (spe	cify)			
SUPMITTED BY	** or number previously paid if greater for Paissuar sea above						
	SUPMITTED BY						

Registration No. Name (Print/Type) **DAVID G. POSZ** 37,701 Telephone (703) 707-9110 (Attorney/Agent) Signature March 2, 2004 Date

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.